

TOP SECRET



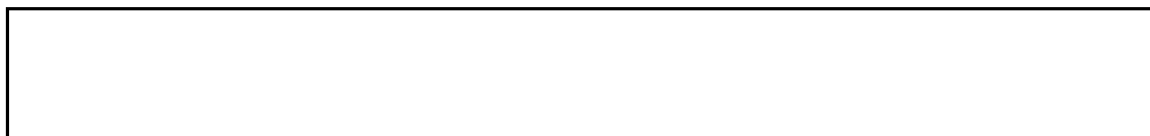
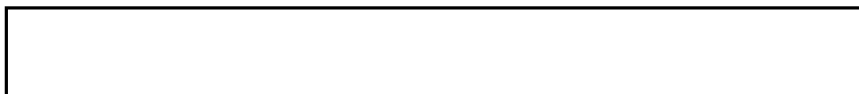
IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

KIANGNAN SHIPYARD

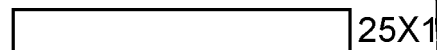
SHANGHAI, CHINA



25X1

Declass Review by NIMA/DOD

CIA/PIR77042



25X1

DATE September 1966

COPY 30

PAGES 7

GROUP 1
Excluded from automatic
downgrading and declassification

TOP SECRET

25X1

Approved For Release 2003/05/14 : CIA-RDP78T05161A001400010021-1

Approved For Release 2003/05/14 : CIA-RDP78T05161A001400010021-1

~~TOP SECRET~~

CIA/PIR-77042

CIA IMAGERY ANALYSIS DIVISION

KIANGNAN SHIPYARD

SHANGHAI, CHINA

- 1 -

~~TOP SECRET~~

25X1
25X1

TOP SECRET

Approved For Release 2003/05/14 : CIA-RDP78T05161A001400010021-1

JIANGSU SHIPYARD
SHANGHAI, CHINA
31-12N 121-29E

FIGURE 2

FIGURE 3

FIGURE 1

TOP SECRET

Approved For Release 2003/05/14 : CIA-RDP78T05161A001400010021-1

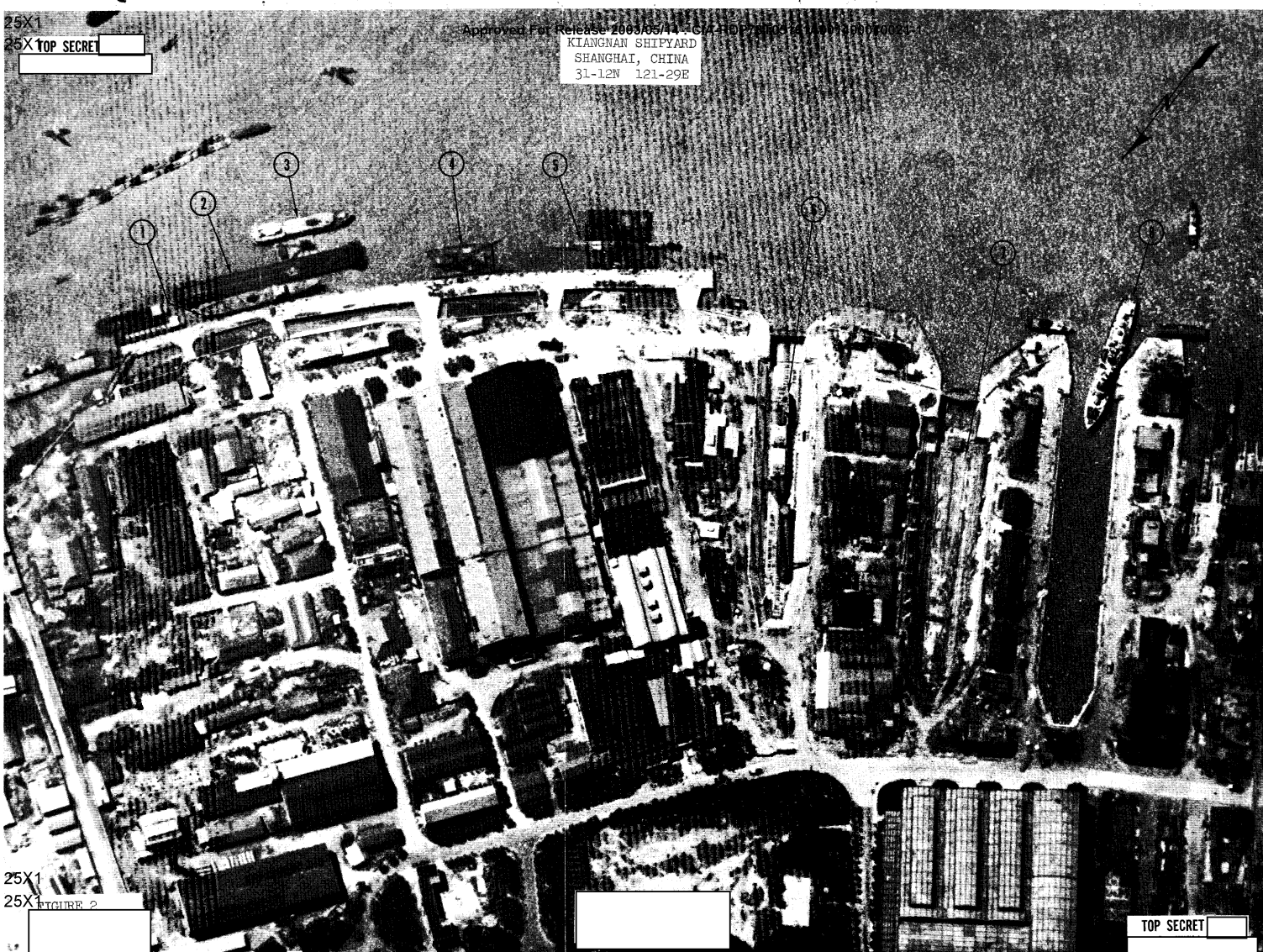
25X1
25X1

25X1

25X TOP SECRET

Approved For Release 2003/05/14 : CIA-RDP78-03167A001400010021-1

KIANGNAN SHIPYARD
SHANGHAI, CHINA
31-12N 121-29E



25X1

25X FIGURE 2

TOP SECRET

Approved For Release 2003/05/14 : CIA-RDP78-03167A001400010021-1

25X1

25X1

CIA IMAGERY ANALYSIS DIVISION

CIA/PIR-77042

SHIPYARD : KIANGNAN SHIPYARD
LOCATION : SHANGHAI, CHINA
GEO COORDS: 31-12N 121-29E

KEY TO ANNOTATIONS ON FIGURE 2

1. KAIBOKAN Class PF hull (LOA approx 220').
This hull appeared to be stripped when it was seen on [redacted] (see annotation 2, Figure 3, [redacted] PIR-67221). Although the hull is still largely void of topside detail, the forward portion of the superstructure is now in place. This imagery equates to the original configuration of the KAIBOKAN I Class PF. A possible stack is also visible.
2. Railroad Ferry (LOA approx 360').
See annotation 5, Figure 5, [redacted]
3. Unidentified possible passenger vessel (LOA approx 195').
4. Floating crane alongside offshore wharf.
5. Possible "R/W" Class SS (visible waterline length approx 250').
Rounded hull form and raised imagery on bow possibly equating to a sonar dome is visible. Light-toned imagery approximately [redacted] in length can be seen on either side of the centerline of the submarine abaft the sail. A probable barge or camel is positioned between the offshore wharf and the submarine. A floating crane is operating outboard the submarine's port side.
6. Unidentified probable merchant vessel in graving dock (LOA approx 205').
A small barge also occupies this graving dock. See annotation 4, Figure 4, [redacted]
7. Unoccupied graving dock.
8. CASTLE Class OPF (LOA approx 250').
This vessel appears to have the conventional Chicom CASTLE Class configuration. Unidentified structures (probably temporary) are located on both the fantail and the foredeck of this ship. A probable CASTLE Class OPF was seen at Kiangnan Shipyard on [redacted] (see annotation 17, [redacted] PIR-67268). The vessel seen on that date appeared to have a different topside configuration abaft the superstructure.

TOP SECRET

CIA/PIR-77042

CIA IMAGERY ANALYSIS DIVISION

SHIPYARD : KIANGNAN SHIPYARD
LOCATION : SHANGHAI, CHINA
GEO COORDS: 31-12N 121-29E

KEY TO NUMBERED ANNOTATIONS ON FIGURE 3

1. Large unidentified merchant ship under construction on building way (visible extent of construction approx 425').
See annotation 10, [] Probable components for this ship can be seen about the shipyard.
2. Cylindrical object lying on its transverse axis (approximate maximum diameter 20').
See Figure 6, []
3. Possible cylindrical object lying on its transverse axis (diameter is roughly 20').
A total of eight cylindrical objects (two of which were identified as possible submarine hull sections) were visible within the security screens surrounding the submarine building ways in [] See annotations 4-7, Figure 6, []
4. Possible "R" Class SS under construction on building way (exact measurements of the SS cannot be determined - the length of the submarine including the weather sheds at each end is approximately 260').
This submarine appears to be in an advanced stage of construction - the sail appears in place and the deck is painted with a lengthwise dark stripe along the centerline. A small shed is positioned athwartships approximately 45 feet abaft the sail. See annotation 7, []
5. Possible tug on building way (LOA approx 100').
It cannot be determined whether this vessel is under construction or repair. This way was formerly used for the construction of an "R" Class SS (see annotation 5, Figure 3, [] small vessels were seen on this way (see annotation 6, []).
6. Four small probable fishing trawlers on ways (LOA of each roughly 85-90').
See annotations 7 and 8 below.

TOP SECRET

TOP SECRET

CIA/PIR-77042

CIA IMAGERY ANALYSIS DIVISION

7. Small vessel hull sections.
Various bow, stern, and superstructure sections can be seen in this area of the shipyard. These sections equate to portions of the vessels seen at annotations 6 above and 8 below.
8. Four small probable fishing trawlers on ways (LOA of each roughly 85-90'). See annotations 6 and 7 above.
9. Probable "R" Class SS alongside camel at offshore wharf (visible waterline length approx 245').
A light-toned triangularly-shaped object appears to extend from the after edge of the sail - this could equate to the snorkel exhaust seen on "R" Class SS. An object possibly equating to the snorkel induction housing of an "R" Class SS can be seen extending from the top of the sail. See annotation 1, Figure 2, [REDACTED]
10. Unidentified probable merchant ship (apparent LOA approx 220').
11. Unidentified cylindrical object lying on its transverse axis (maximum diameter [REDACTED] inside diameter [REDACTED]).
12. Two unidentified, apparently circular, objects - one inside the other. The outside image has a maximum diameter of approximately [REDACTED] the inside circle is approximately [REDACTED] feet in diameter. These objects appear to be slightly higher, when viewed in stereo, than the adjacent cylindrical object (see annotation 11 above). It cannot be determined if these objects are cylinders.
13. Three tapered objects, apparently semi-circular in shape, between crane-way tracks leading to building way containing a possible "R" Class SS. One of these objects has a "notched-out" section on one side. Similar-looking imagery has been observed at the Wu-chang Shipyard, Wu-chang, China (30-32N 114-17E), in [REDACTED] See bottom right caption, Figure 53, CIA/PIR-65038.

KEY TO FACILITY ANNOTATION ON FIGURE 3

- A. Transverser system has been extended from the possible turntable to a position in line with the craneway paralleling the down river side of the large building way containing the merchant ship under construction at annotation 1 above. Construction on the tracks and the possible turntable at the head of the craneways does not as yet appear to be completed. See annotation "C", Figure 2, [REDACTED]

- 4 -

TOP SECRET

TOP SECRET

Approved For Release 2003/05/14 : CIA-RDP78T05161A001400010021-1

KIANGNAN SHIPYARD

SHANGHAI, CHINA

31-12N 121-29E



FIGURE 3

25X1

TOP SECRET

CIA IMAGERY ANALYSIS DIVISION

CIA/PIR-77042

REFERENCES

DOCUMENTS

CIA/PIR-77009, Kiangnan Shipyard, Shanghai, China,

TOP SECRET

CIA/PIR-67268, Kiangnan Shipyard, Shanghai, China,

TOP SECRET

CIA/PIR-67221, Kiangnan Shipyard, Shanghai, China,

TOP SECRET

CIA/PIR-65038, Search of Major Chicom Shipyards for Evidence of Submarine Construction, September 1965 (TOP SECRET)

DIA AP-1-230-2-3-INT, Naval Ships of Eastern Asia, 1 July 1965 (SECRET)

TOP SECRET

TOP SECRET